

Abstract of the Disclosure

A paper registration apparatus for a duplex printer which performs side registration of a sheet of paper before the paper is transferred toward a feed roller to print an image on a rear side of the paper after a front side of the paper is printed.

- 5 The apparatus includes a lower guide plate supporting the paper thereon and having a groove formed at one side, a side wall guide vertically installed at the side of the groove of the lower guide plate parallel to a direction of a paper transfer route to perform a side registration of the sheet of paper, and a duplex transfer roller installed perpendicular to the direction of the paper transfer route. The apparatus further
- 10 includes an idle roller installed above the duplex transfer roller at a predetermined inclination angle with respect to the duplex transfer roller, an idle roller rotation shaft holder rotatably supporting both ends of a rotation shaft of the idle roller, a pressing unit providing an elastic force to the idle roller toward the duplex transfer roller, and a pivot unit setting the inclination angle of the idle roller within a predetermined range
- 15 according to a type of paper.